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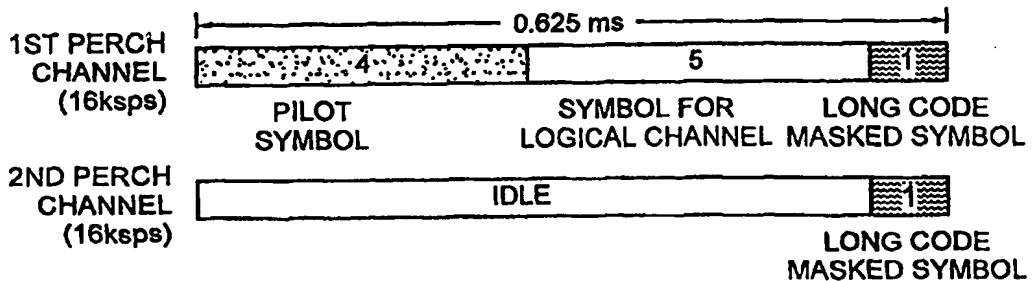
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(54) Title: METHOD, APPARATUS, AND SYSTEM FOR FAST BASE STATION SYNCHRONIZATION AND SECTOR IDENTIFICATION



(57) Abstract

A method, apparatus, and system perform fast sector identification and base station synchronization. The base station transmits information in primary and secondary control channels to the remote station. The remote station performs synchronization using information in the primary and secondary control channels. A group of identification codes corresponding to the sector is determined using information in the secondary control channel. If this does not result in identification of the sector, an identification code corresponding to the sector is determined from information in the primary control channel. If this does not result in identification of the sector, the sector is identified based on information multiplied with symbols, e.g., pilot symbols, in the primary control channel, without having to decode the BCCH.